

their equivalents. The entirety of each of the aforementioned documents is incorporated by reference herein.

What is claimed is:

1. A method for treatment of breast cancer comprising:  
performing a molecular analysis of target breast cancer cells;  
identifying markers associated with said target breast cancer cells based on said performed molecular analysis;  
selecting on a graphical user interface of a cold atmospheric plasma generator said identified markers associated with said target breast cancer cells;  
selecting with a processor in said cold atmospheric plasma generator preferred cold atmospheric plasma settings associated with said identified markers in a database stored in a storage in said cold atmospheric plasma generator; and  
applying cold atmospheric plasma with said cold atmospheric plasma generator at said selected cold atmospheric pressure settings to said target breast cancer cells.
2. A method for treatment of breast cancer according to claim 1 wherein said settings include time and power.
3. A method for treatment of breast cancer according to claim 1, further comprising treating said target breast cancer cells with one of chemotherapy and radiation therapy to reduce resistance of the target cancer cells' resistance to cold atmospheric plasma treatment.

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